

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DM-10/03

INFORMATION DISCLOSURE STATEMENT

In re Application of: McGrath, et al. Attorney Docket No: KCX-666 (19290)
Serial No: 10/686,939 Date: February 17, 2004
Filed: October 16, 2003 Art Unit: 1616
Confirmation No: 4578 Our Customer ID: 22827
Title: Method For Reducing Odor Using Metal-Modified Particles Our Account No: 04-1403

Commissioner for Patents
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Sir:

The following is an Information Disclosure Statement for the captioned patent application, pursuant to 37 CFR Sections 1.56, 1.97, and 1.98.

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- a.[x] A list of materials for consideration per Rule 98(a)(1): 5 page(s)
- b.[x] A legible copy of each patent, publication, or other item listed per Rule 98(1)(2), unless not required per Rule 98 and/or as indicated on the attached list(s):
147 item(s)
- c.[] For each non-English language item listed, pursuant to Rule 98(a)(3), a concise explanation of the relevance thereof as it is presently understood by the individual designated in Rule 56(c) most knowledgeable about the content of such items: _____

[] Such explanation is provided in the Search Report from a corresponding application enclosed herewith along with any enclosed translation into English.

2.[x] This Information Disclosure Statement is being filed [CHECK ONE]:

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- b.[] AFTER the time periods of section 2.a above, but BEFORE a Final Action, Notice of Allowance OR an action that otherwise closes prosecution, WHEREFORE PER Rule 97(c) submitted herewith is [CHECK ONE]:
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- ii.[] Filing Fee per Rule 17(p)\$180.00
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- b.[] That no item of information contained in this Information Disclosure Statement was cited in a foreign patent office in a counterpart foreign application and to the knowledge of the undersigned after making a reasonable inquiry, was known to any individual designated in Rule 56(c) more than three months prior to the filing of this statement.

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- 4.[x] DEPOSIT ACCOUNT AUTHORIZATION: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

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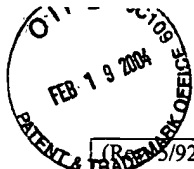
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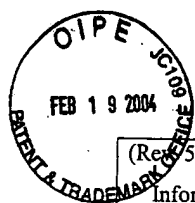
(R-109-92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-666 (19290)	Serial Number: 10/686,939
	Applicant: McGrath, et al.	
	Filing Date: October 16, 2003 Confirmation No: 4578	Group Art Unit: 1616

NOTE:

If no indication is made in the column marked "COPY NOTE," the required legible copy of the corresponding item is submitted herewith; otherwise, a copy is not required and/or not submitted, for the following reason(s) [corresponding reason number is listed in "COPY NOTE" column]"

- (1) This item is cumulative, per Rule 98(c)
- (2) A copy of this item was previously cited by or submitted to the U.S. Patent and Trademark Office in:
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- (3) Both reasons (1) and (2) apply
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- (5) Per the U.S. Patent and Trademark Office's waiver of Rule 98(a)(2)(i), the item is a U.S. patent or patent application publication, and the present application was filed after June 30, 2003.

U.S. PATENT DOCUMENTS										
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER							ISSUE DATE	COPY NOTE
	Brandt, et al.	R	E	3	2	6	4	9	04/19/1988	5
	Kinney	3	3	3	8	9	9	2	08/29/1967	5
	Kinney	3	3	4	1	3	9	4	09/12/1967	5
	Evans	3	4	9	4	8	2	1	02/10/1970	5
	Petersen	3	5	0	2	5	3	8	03/24/1970	5
	Hartmann	3	5	0	2	7	6	3	03/24/1970	5
	Dobo, et al.	3	5	4	2	6	1	5	11/24/1970	5
	Dorschner, et al.	3	6	9	2	6	1	8	09/19/1972	5
	Matsuki, et al.	3	8	0	2	8	1	7	04/09/1974	5
	Butin, et al.	3	8	4	9	2	4	1	11/19/1974	5
	Suzuki, et al.	3	9	7	1	6	6	5	07/27/1976	5
	Yoshida, et al.	4	0	0	6	0	3	0	02/01/1977	5
	Yoshida, et al.	4	0	7	8	0	2	9	03/07/1978	5
	Anderson, et al.	4	1	0	0	3	2	4	07/11/1978	5
	Inoue, et al.	4	1	0	1	6	3	8	07/18/1978	5
	Boulton	4	1	4	4	3	7	0	03/13/1979	5
	Appel, et al.	4	3	4	0	5	6	3	07/20/1982	5
	Pedersen, et al.	4	4	6	7	0	1	2	08/21/1984	5
	Byrne, et al.	4	5	7	5	5	5	6	03/11/1986	5
	McFarland, et al.	4	6	0	4	3	1	3	08/05/1986	5
	McFarland, et al.	4	6	5	5	7	5	7	04/07/1987	5
	Barker, et al.	4	7	0	1	2	1	8	10/20/1987	5
	Ota, et al.	4	7	1	5	9	8	3	12/29/1987	5
	Broecker, et al.	4	7	8	0	4	4	8	10/25/1988	5
	Mizukami, et al.	4	7	8	1	8	5	8	11/01/1988	5
	Gamble, et al.	4	7	8	3	2	2	0	11/08/1988	5
	Meyer, et al.	4	7	9	8	6	0	3	01/17/1989	5
	Hubbard, et al.	4	8	0	2	4	7	3	02/07/1989	5
	Watanabe, et al.	4	9	0	4	3	0	4	02/27/1990	5
	Hubbard, et al.	4	9	6	9	4	5	7	11/13/1990	5
	Watanabe, et al.	4	9	8	8	5	0	5	01/29/1991	5
	Hubbard, et al.	5	0	2	0	5	3	3	06/04/1991	5
	Johnson, et al.	5	0	5	7	3	0	2	10/15/1991	5
	Kubo, et al.	5	0	6	4	4	7	3	11/12/1991	5
	Watanabe, et al.	5	1	0	0	5	8	1	03/31/1992	5
	Maeda, et al.	5	1	0	0	7	0	2	03/31/1992	5
	Moffatt	5	1	3	3	8	0	3	07/28/1992	5



(Rev. 5/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-666 (19290)	Serial Number: 10/686,939
	Applicant: McGrath, et al.	
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	Winnik, et al.	5	1	4	5	5	1	8	09/08/1993	5
	Watanabe, et al.	5	1	9	6	1	7	7	03/23/1993	5
	Kavassalis, et al.	5	2	0	9	9	9	8	05/11/1993	5
	Theodoropoulos	5	2	2	0	0	0	0	06/15/1993	5
	Watanabe, et al.	5	2	2	1	4	9	7	06/22/1993	5
	Fare, et al.	5	2	2	5	3	7	4	07/06/1993	5
	Tsugeno, et al.	5	2	3	0	9	5	3	07/27/1993	5
	Okubi, et al.	5	2	3	8	5	1	8	08/24/1993	5
	Tsugeno, et al.	5	2	6	6	2	8	9	11/30/1993	5
	Everhart, et al.	5	2	8	4	7	0	3	02/08/1994	5
	Subramanian	5	2	9	2	8	6	8	03/08/1994	5
	Theodoropoulos	5	2	9	4	7	1	7	03/15/1994	5
	Brunson	5	3	2	2	0	6	1	06/21/1994	5
	Okubi, et al.	5	3	3	2	4	3	2	07/26/1994	5
	Takagi, et al.	5	3	3	8	7	1	3	08/16/1994	5
	Abe, et al.	5	3	4	2	8	7	6	08/30/1994	5
	Georger, et al.	5	3	5	0	6	2	4	09/27/1994	5
	Pike, et al.	5	3	8	2	4	0	0	01/17/1995	5
	Hubbard, et al.	5	3	8	3	4	5	0	01/24/1995	5
	Law, et al.	5	3	9	7	6	6	7	03/14/1995	5
	Ando, et al.	5	4	0	7	6	0	0	04/18/1995	5
	Spencer, et al.	5	4	2	0	0	9	0	05/30/1995	5
	Trinh, et al.	5	4	2	9	6	2	8	07/04/1995	5
	Tsugeno, et al.	5	4	5	8	8	6	4	10/17/1995	5
	Spencer, et al.	5	4	8	7	9	3	8	01/30/1996	5
	Subramanian, et al.	5	4	8	8	1	2	6	01/30/1996	5
	Yamazaki	5	5	3	8	5	4	8	07/23/1996	5
	Ando, et al.	5	5	4	7	6	0	7	08/20/1996	5
	Reese, et al.	5	5	5	3	6	0	8	09/10/1996	5
	El-Shall, et al.	5	5	8	0	6	5	5	12/03/1996	5
	Subramanian, et al.	5	5	8	3	2	1	9	12/10/1996	5
	Barthel, et al.	5	5	9	1	7	9	7	01/07/1997	5
	Watanabe, et al.	5	5	9	7	5	1	2	01/28/1997	5
	Inatani, et al.	5	6	6	1	1	9	8	08/26/1997	5
	Bishop, et al.	5	6	7	9	1	3	8	10/21/1997	5
	Sacripante, et al.	5	6	7	9	7	2	4	10/21/1997	5
	Kuhn, et al.	5	7	7	3	2	2	7	06/30/1998	5
	Baird, et al.	5	8	1	3	3	9	8	09/29/1998	5
	Calvo Salve, et al.	5	8	4	3	5	0	9	12/01/1998	5
	Everhart, et al.	5	8	5	5	7	8	8	01/05/1999	5
	Kamoto, et al.	5	8	8	0	1	7	6	03/09/1999	5
	Suzuki, et al.	5	8	8	0	3	0	9	03/09/1999	5
	Tasaki, et al.	5	9	0	2	2	2	6	05/11/1999	5
	Fujiki, et al.	5	9	0	5	1	0	1	05/18/1999	5
	Desai, et al.	5	9	1	6	5	9	6	06/29/1999	5
	Grandfils, et al.	5	9	6	2	5	6	6	10/05/1999	5
	Shell, et al.	5	9	7	2	3	8	9	10/26/1999	5
	Yamada, et al.	5	9	8	5	2	2	9	11/16/1999	5
	Abe, et al.	5	9	8	9	5	1	0	11/23/1999	5
	Watanabe, et al.	5	9	8	9	5	1	5	11/23/1999	5
	Kasai, et al.	6	0	0	7	5	9	2	12/28/1999	5
	Gore	6	0	2	4	7	8	6	02/15/2000	5
	Guarracino, et al.	6	0	9	6	2	9	9	08/01/2000	5
	Spencer, et al.	6	1	7	2	1	7	3	01/09/2001	5
	Law, et al.	6	1	9	0	8	1	4	02/20/2001	5
	Guarracino, et al.	6	2	2	5	5	2	4	05/01/2001	5
	Watanabe, et al.	6	2	9	1	5	3	5	09/18/2001	5
	Anderson, et al.	6	3	1	5	8	6	4	11/13/2001	5
	Gallis, et al.	6	3	3	4	9	8	8	01/01/2002	5
	Oldenburg, et al.	6	3	4	4	2	7	2	02/05/2002	5
	Hoshino, et al.	6	3	5	8	5	3	7	03/19/2002	5



(R) 5/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-666 (19290)	Serial Number: 10/686,939
	Applicant: McGrath, et al.	
	Filing Date: October 16, 2003 Confirmation No: 4578	Group Art Unit: 1616

	Guarracino, et al.	6	3	7	6	7	4	1	04/23/2002	5
	Reeves, et al.	6	3	8	7	4	9	5	05/14/2002	5
	Ota, et al.	6	3	9	8	8	2	7	06/04/2002	5
	Wellinghoff, et al.	6	4	1	0	7	6	5	06/25/2002	5
	Blackstock, et al.	6	4	2	7	6	9	3	08/06/2002	5
	Woltman, et al.	6	4	3	3	2	4	3	08/13/2002	5
	Kasai, et al.	6	4	4	0	1	8	7	08/27/2002	5
	Furuya, et al.	6	4	6	1	7	3	5	10/08/2002	5
	Sakaguchi, et al.	6	4	6	8	5	0	0	10/22/2002	5
	Tan, et al.	6	5	4	8	2	6	4	04/15/2003	5
	Maeda, et al.	6	5	6	2	4	4	1	05/13/2003	5
	Raymond, et al.	6	4	7	8	5	2	1	06/17/2003	5

U.S. PATENT APPLICATION PUBLICATIONS										
EXAMINER INITIALS	APPLICANT'S NAME	PUBLICATION NUMBER							PUBLICATION DATE	COPY NOTE
	Nohr, et al.	0	0	2	1	9	8	3	01/30/2003	5
	Kolb, et al.	0	1	2	8	3	3	6	09/12/2002	5
	Carter, et al.	0	1	4	2	9	3	7	10/03/2002	5
	Nohr, et al.	0	1	4	9	6	5	6	10/17/2002	5
	Cramer, et al.	0	1	5	0	6	7	8	10/17/2002	5
	MacDonald	0	2	0	3	0	0	9	10/30/2003	5

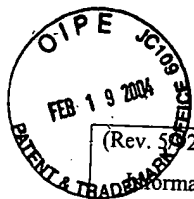
FOREIGN PATENT DOCUMENTS															
EXAMINER INITIALS		COUNTRY	DOCUMENT NUMBER								PUBLICATION DATE	TRANSLATION			COPY NOTE
												YES	NO	N/A	
		WO	0	0	0	3	7	9	7	A1	01/27/2000		X		
		EP	0	1	0	3	2	1	4	B1	03/21/1984			X	
		WO	0	1	0	6	0	5	4	A1	01/25/2001			X	
		WO	0	2	0	5	5	1	1	5 A1	07/18/2002			X	
		EP	0	2	8	2	2	8	7	B2	09/14/1988			X	
		EP	0	3	3	9	4	6	1	B1	11/02/1989			X	
		EP	0	3	7	6	4	4	8	B1	07/04/1990			X	
		EP	0	3	8	9	0	1	5	A2 A3	09/26/1990			X	
		EP	0	3	8	9	0	2	3	A2 A3	09/26/1990			X	
		EP	0	4	8	3	5	0	0	A1	05/06/1992			X	
		EP	0	7	4	9	2	9	5	B1	12/27/1996			X	
		EP	0	9	7	2	5	6	3	A1	01/19/2000			X	
		WO	9	8	2	0	9	1	5	A1	05/22/1998		X		
		WO	9	9	4	7	2	5	2	A3	09/23/1999			X	

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	Confirmation No: 4578	

EXAMINER INITIALS	OTHER DOCUMENTS Specify author (if any), Title, Pertinent Pages, Date & Place of Publication	COPY NOTE
	Article – <i>Saponins and Sapogenins. VIII. Surface Films of Echinocystic Acid and Derivatives</i> , C. R. Noller, J. Am. Chem. Soc., Vol. 60, 1938, 3 pages	
	Article – <i>Synthesis of porous Silica with help from cyclodextrin aggregates</i> , Markus Antonietti, Max-Planck-Institut für Kolloid-und, Germany, 1 page	
	Article – <i>Immobilization of (n-Bu₄N)₄W₁₀O₃₂ on Mesoporous MCM-41 and Amorphous Silicas for Photocatalytic Oxidation of Cycloalkanes with Molecular Oxygen</i> , Andrea Maldotti, Alessandra Molinari, Graziano Varani, Maurizio Lenarda, Loretta Storaro, Franca Bigi, Raimondo Maggi, Alessandro Mazzacani, and Giovanni Sartori, Journal of Catalysis, Vol. 209, 2002, pp. 210-216	
	Article – <i>Fe-MCM-41 for Selective Epoxidation of Styrene with Hydrogen Peroxide</i> , Qinghong Zhang, Ye Wang, Satoko Itsuki, Tetsuya Shishido, and Katsuomi Takehira, The Chemical Society of Japan, Chemistry Letters 2001, pp. 946-947	
	Article – <i>Mesoporous Sieves with Unified Hybrid Inorganic/Organic Frameworks</i> , Brian J. Melde, Brian T. Holland, Christopher F. Blanford, and Andreas Stein, Chem. Mater., Vol. 11, No. 11, 1999, pp. 3302-3308	
	Article – <i>From Cyclodextrin Assemblies to Porous Materials by Silica Templating</i> , Sebastian Polarz, Bernd Smarsly, Lyudmila Bronstein, and Markus Antonietti, Angew. Chem. Int., Vol. 40, No. 23, 2001, pp. 4417-4421	
	Paper – <i>Uniform Deposition of Ultrathin Polymer Films on the Surfaces of Al₂O₃ Nanoparticles by a Plasma Treatment</i> , Donglu Shi, S. X. Wang, Wim J. van Ooij, L. M. Wang, Jiangang Zhao, and Zhou Yu, University of Cincinnati and University of Michigan, June 2000, pp. 1-15	
	Article – <i>Development of novel dye-doped silica nanoparticles for biomarker application</i> , Swadeshmukul Santra, Kemin Wang, Rovelyn Tapecc, and Weihong Tan, Journal of Biomedical Optics, Vol. 6, No. 2, April 2001, pp. 160-166	



(Rev. 5/02) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-666 (19290)	Serial Number: 10/686,939
	Applicant: McGrath, et al.	
	Filing Date: October 16, 2003	Group Art Unit: 1616
	Confirmation No: 4578	

	Article – <i>Nanoparticles based on polyelectrolyte complexes: effect of structure and net charge on the sorption capability for solved organic molecules</i> , H.-M. Buchhammer, G. Petzold, and K. Lunkwitz, Colloid Polym. Sci., Vol. 278, 2000, pp. 841-847		
	Article – <i>Adsorption of Gases in Multimolecular Layers</i> , Stephen Brunauer, P.H. Emmett, and Edward Teller, The Journal of the American Chemical Society, Vol. 60, February 1938, pp. 309-319		
	Article – <i>Study of the urea thermal decomposition (pyrolysis) reaction and importance to cyanuric acid production</i> , Peter M. Schaber, James Colson, Steven Higgins, Ed Dietz, Daniel Thielen, Bill Anspach, and Jonathan Brauer, American Laboratory, August 1999, pp. 13-21		
	Article – <i>The Colloid Chemistry of Silica</i> , American Chemical Society 200 th National Meeting, August 26-31, 1990, pp. 22-23 and pp. 52-59		
	Article – <i>Structure and properties of silica nanoclusters at high temperatures</i> , I. V. Schweigert, K. E. J. Lehtinen, M. J. Carrier, and M. R. Zachariah, The American Physical Society, Physical Review B, Vol. 65, No. 235410, pp. 1-9		
	Article – <i>Grafting of Poly(ethylenimine) onto Mesylated Cellulose Acetate, Poly(methyl methacrylate) and Poly(vinyl chloride)</i> , Christopher J. Biermann and Ramani Narayan, Carbohydrate Polymers, Vol. 12, 1990, pp. 323-327		
	Abstract of Article – <i>Non-hydrothermal synthesis of copper-, zinc- and copper-zinc hydrosilicates</i> , T. M. Yurieva, G. N. Kustova, T. P. Minyukova, E. K. Poels, A. Blik, M. P. Demeshkina, L. M. Plyasova, T. A. Krieger, and V. I. Zaikovskii, Materials Research Innovations, Vol. 5, No. 1, June 2001, pp. 3-11		
	Pocket Guide to Digital Printing, Frank Cost, Delmar Publishers, Albany, NY, ISBN 0-8273-7592-1, pp. 144-145		
	Product Information Sheets on Snowtex®, 6 pages		
EXAMINER		DATE CONSIDERED	
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